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The Students of Worcester Polytechnic Institute

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FACULTY VOTE ON FREEDOM TABLED

by Paul Cleary

The faculty met Wednesday, April 29, in the back dining room of Morgan Hall and spent most of their time discussing a statement proposed by Professor John Worsley concerning academic freedom on the campus. The statement read:

"The faculty of Worcester Polytechnic Institute affirms that faculty and students shall have the freedom of religious belief, of speech, of press, of association and assembly, of political activity inside and outside the Institute, the right to petition the authorities, public and of the institute, and to invite speakers of their choice to the campus."

John Boyd, Faculty AAUP representative, polled 28 AAUP faculty members concerning this statement and one which appeared in a past Tech News. Nineteen of the 28 favored Professor Worsley's, five favored that of the Tech News, and four felt that neither was sufficient. One of these four was John VanAlstyne who gave the reasons for his vote at the meeting. "With the right to every freedom goes responsibility," said Van Alstyne, "and until mention of that responsibility appears in such a statement, I would be opposed to this motion."

Further opposition to the statement was expressed by Professor Finlayson who said that the person that the statement had in mind (Abbie Hoffman) "has made

a career of being destructive." The Professor concluded by asking "Who would pay for these speakers?"

Eventually President Hazzard addressed himself to this subject. "I thought I had made myself clear on this matter in a meeting with the editors of the Tech News," he began, "which I had not, if I read Paul Cleary's article correctly." The president stated that



Prof. Finlayson raises a point

he felt Professor Worsley was "asking us to endorse the Bill of Rights - which I support; however, I cannot endorse the loosely worded last phrase of this statement. It does not say that an invitation to the campus implies the use of campus facilities."

The point was brought up that the Tech Community Council is working on a statement on Campus academic freedom, and Professor Moruzzi requested that the proposal be reported directly to the Faculty for review.

At one point in the meeting Rich Tino, a student attending the meeting to seek faculty support for a Teacher-Course evaluation being handled by the Academic Committee, asked "Is the Faculty valid in moving on this matter? If they pass it does it go into effect?" This brought up the question of who determines school policy, and also marked the first time that a student was allowed to speak at a faculty meeting on a purely faculty issue.

The motion to pass Professor Worsley's statement was tabled, and the meeting adjourned.

At the same meeting President Hazzard mentioned that he was looking into the possibility of psychological testing to see what sort of effect WPI has on student "ego-development". Such a test would be administered to incoming freshmen and given to them again as graduating seniors, and any change in test score noted.



The Tech News

Vol. 61

Worcester, Massachusetts

Tuesday, May 5, 1970

No. 11

CROWD AT CITY HALL PROTEST CAMBODIA

by Alan Dion

Last Friday Worcester joined in the nationwide response to Nixon's recent Indochina policy with a spontaneous demonstration in front of city hall. The rally had been conceived that morning in the mind of a Clark chemistry professor, who talked to some students, who talked to some other students, who got a police permit and a broadcasting truck and assembled some speakers. The rally took place from 4 p.m. to 5 p.m., as most of Worcester's police force looked on.

The organizers managed to arrange for a diverse and interesting group of speakers. Two students from Clark and one from Holy Cross opened the rally with speeches, as each described the paradox of Nixon's "containing" the war in Indochina by sending troops to Cambodia. One pointed out the double standard the U.S. follows by remaining firmly entrenched in lands close to Communist China while it will not tol-

erate Communist occupation of countries near America. The next speaker was Mr. Cashman, a local politician, who stated that Nixon was keeping his promise to get the troops out of Vietnam by moving them to Cambodia. He then suggested that everyone at the rally talk to other people and send telegrams to the White House to let the president know how the country really feels (rather than the 6 to 1 in favor ratio that a White House spokesman claims.)

Rev. Campbell then spoke, as

he voiced the now common opinion that Nixon's interest in pollution is partly an attempt to deflect attention from the escalating war situation. He told the audience that the country must shift priorities back to the war: "It makes little difference if we suffocate from pollution or die from atom bombs." Perhaps the most interesting speaker of the afternoon was a contributing editor of the "Worcester Punch", who said that Nixon has been looking into the

cont. on p. 9, col. 4

NASA Director Dr. Paine To Speak At Commencement

Dr. Thomas O. Paine, who directs the country's lunar landings as administrator of the National Aeronautics and Space Administration, will deliver the main address at Worcester Polytechnic Institute's 102nd commencement.

The graduation will be at 2:30 p.m. Sunday, June 7, in Harrington Auditorium.

Dr. Paine is a native of Berkeley, Calif., who did his undergraduate work at Brown University. He has master's and doctor's degrees from Stanford University in physical metallurgy, obtained after war service on submarines. He was commissioned following a 90-day midshipman course at Annapolis.

He made seven war patrols abroad the U.S.S. Pompon cruising the western Pacific from the islands of Indonesia to the Siberian coast. In 1946, after he skippered a captured Japanese sub from Tokyo to Pearl Harbor for study by the Navy, he completed his military service and began his graduate study at Stanford. As a research associate there, he worked on the Navy's nuclear-reactor program.

In 1949, he joined General Electric research laboratories in Schenectady, N.Y., and in 1955 became a member of the GE Technical Military Planning Organization at its headquarters in Santa Barbara, Calif., later serving as Manager of Metallurgical Research at West Lynn (Mass.) Instrument Laboratory and at the Advanced Technology Laboratory in Schenectady

in a top management role.

In 1963, he was named head of TEMPO, a so-called "Think Tank" of approximately 300 scientists who busied themselves with problem areas, such as rural development abroad, urban rehabilitation in the U.S., communications, transportation etc.

Dr. Paine was named deputy head of NASA in March 1968, under James E. Webb, who had presided over America's entry into the age of manned space flight, since his appointment by President John F. Kennedy in 1961. And in September of that year, he succeeded Webb on the latter's retirement and became acting chief of NASA.

In March 1969, Dr. Paine was named head of the nation's space program by President Nixon, while the Apollo 9 spacecraft circled the Earth.

Under his direction the Apollo program has progressed and NASA looks forward to a long-term objective of interplanetary travel, beginning with a manned landing on Mars.

Dr. Paine is married to the former Barbara Pearse, whom he met in Perth, Western Australia, while he was in war service, and she was serving as a ground controller in the Royal Australian Air Force. They have four children

Prof. Worsley presents his statement on academic freedom to TCC.

TCC Working On Free Speech Policy

The Tech Community Council considered the proposal of the

AAUP on free speech at its Thursday meeting. Seven of the fourteen members of the TCC were present, while six faculty members and one TECH NEWS photographer also attended.

Since so few of the TCC were there, the TCC decided to hold off on any action, but did reword the proposal to the following:

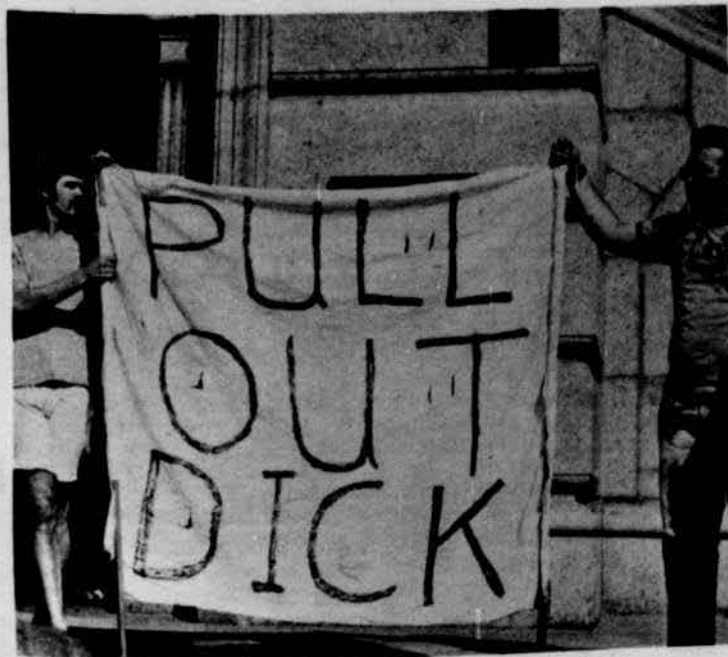
"Worcester Polytechnic Institute affirms that members of the WPI community shall have freedom of religious belief, of speech, of press, of association and assembly, of political activity inside and outside the Institute, the right to petition the authorities, public and of the Institute, and to invite speakers and programs of their choice to the campus."

STUDENT
GOVERNMENT
CANDIDATES
STATEMENTS
ON PAGE 7

VOTE ON
THURSDAY

QUOTE OF THE WEEK
"Playing to this audience
is like playing to a prison."

Pageant Players



Students at Friday's rally.

Editorial...

Editors Endorse Final Planning Report

The Future of Two Towers - Part IV: A Plan is the culmination of 18 months of hard work by some of W.P.I.'s best faculty members. It represents the first attempt at Tech to figure out where we've been, where we are, and where we should go.

It lays out an experiment in education, one designed to educate "Humane technologists," people who can link technology to human needs and help to solve the problems facing mankind. We endorse the Plan and urge that the faculty adopt it. We also urge that students, faculty, and administration all join in attempting to make the plan work as we move into the Implementation phase.

The Plan has the flexibility necessary to make W.P.I. a great college rather than a mediocre one. But its flexibility is not enough. What must be produced is a change in atmosphere, and to do this will require a lot of work after the Plan is adopted. Students will have to join with part of the faculty to insure that the plan does not become merely a way to better meet industry's image of an engineer or a way to offer better technical training. The Plan could easily broaden or narrow the students education. It is up to us to ensure that it does not narrow the overall education of the school.

We also urge that students be included in every phase of the implementation, especially in the early phases. Students must feel that they play a responsible, active role in the school in order for the Plan to be a success. What better time to start than now?

W.P.I. could become a leader in education. It could help solve the major problems of our time. The chance is there--if we only dare to take it.

The Editors

Here We Go Again

Pres. Nixon's decision to send combat troops into Cambodia is one which may gravely affect the possibilities for peace in South East Asia. How this decision coordinates with Mr. Nixon's policy of Vietnamization is not apparent to many observers of the conflict in that part of the world. This decision along with the resumption of the bombing of the North could escalate the fighting there to new heights.

Even more disturbing is the president's refusal to consult with Congress before making this decision and his refusal to discuss the matter with the Senate Foreign Relations Committee can only continue to keep his secret plan for ending the war the best kept secret in Washington.

Now is the time for re-evaluation of our commitments abroad, not for making new ones without the approval of the representatives of the people.

The Editors

RMN
TRAVEL
CENTER



UP IN SMOKE

by Paul Cleary

I had a dream during the past week that I was running for president of the Worcester Tech student body. It all began with me sitting quietly in my room listening to my hair grow and reading the latest copy of NEW LEFT NOTES. Strewn about my floor are issues of RAMPARTS, THE VILLAGE VOICE, and an autographed copy of Chairman Mao's Red Book. The air is thick with incense and echoing off the walls is the raucous sound of the MC-5 telling everyone to "kick out the tams..." On my walls are assorted pictures of Huey Newton, Che Guevara and one large color poster of our present president with a common obscenity printed across his forehead in Vietnamese. The obscenity is printed in dayglo ink so that it stands out under the ultra-violet light that hangs from my ceiling.

Anyway, into this rather coarse collegiate setting strolls our hero, "Lefty" Logan, armed with a copy of Webster's New World Dictionary and with his tongue fastened firmly in his cheek (where indeed it belongs), accompanied by drummer and flute players in REVOLUTIONARY attire. Lefty says he wants to talk to me so I immediately clear out all the hippies and street people who customarily live in my room in various degrees of degeneration and ask what he wants. Then he lays this whole presidency thing on me, and I want to tell you my head is pretty well blown by it all. I mean he's got the 50 signatures and starts telling me about PacoP and all and how he wants to be my campaign manager and we can win easy and really change Worcester Tech, and right away I start thinking maybe there'll be another Skull tapping next fall and this is my big chance and so I say yes.

A week later I'm sitting on the stage in Alden debating the epitome of Tech manhood, Jocko Fortran. This guy's got all the credentials: counselor (shows he's responsible), treasurer of his house (shows he's trusted), and runner-up in the IFC beer chugging contest (shows he's not perfect, there is a tiny chink in the armor suit). Somebody asks a question like, "What can you give to WPI if elected?" I look out toward the audience, palms sweating, my eyes glazed, and suddenly I see Lefty Logan carrying a sign reading "elect Cleary, Tech needs an engaging controversialist." I throw up on stage. The crowd goes wild...Two days later I'm elected by 21 votes-- the closest margin ever. Now I'm famous. Robert Stoddard wants his picture taken with me. I'm made an honorary member of the WPI crew team, and I get obscene phone calls from Tricia Nixon.

One week later is my first student government meeting as president. My first official act is to suggest we move the meetings back to the seminar rather than the coffee house. It gets voted down 9 to 1.

Three weeks after that I announce my retirement. I head west for Pittsburgh, and in the resultant confusion Lefty Logan successfully stages a coup d'etat, I awake in a cold sweat.

I called Lefty and told him I'd run if he'd be my running mate. We'd call the party the Revolutionary Workers' Socialist Alliance. He turned me down and rolled over to go back to sleep. I hope he didn't bruise his tongue when he did it.

Letters...

To the Editors:

The layouts and innovations in the Tech News have been great. However, try to keep the editorials to page two only. Everything that goes into a newspaper should not reflect the editor's views. The editors say their piece on the editorial page, not on every page. Maybe our present paper should change its name from TECHNEWS to WHITE'S WORDS OF WISDOM or maybe HOBILL'S HARASSMENTS.

All it takes is some good, non-

cont. on pg. 3 col. 1



by Richard Logan

For Better or For Worse

Poised to strike were, perhaps, 20 thousand of those most experienced and feared troops. Fresh from recent successes, they were arrayed in order for march near the plains where they had just disembarked, and when the advance began not one of their leaders doubted what the results would be once they met their unbloated and far outnumbered foes. And there, in the heights just above the plain, waited Miltiades with his 9,000 Athenians and 1000 Plataeans.

The Battle of Marathon took place some 2460 years ago. Last week they found the burial site of the Plataean soldiers who had died there, in what was perhaps the singularly most decisive confrontation between East and West in all of History. The story of the find made the front page of the Sunday Times, juxtaposed appropriately just below the stories concerning our modern day confrontation with the descendants of Xerxes.

Presently, the headlines are mostly about our sweep into Cambodia, which tactical operation denotes a sad sad day for Hubert Humphrey, but for most of the rest of us denotes an almost average day made unusual by the gala television attention, complete with a Presidential address (smacking of grandstanding) and six thousand editorial analyses: which vectors have tended towards an exaggeration of the event to the point of misrepresentation.

"There is a good case to be made for attacking the enemy's bases in Cambodia - always has been. Some of them are only 33 miles from Saigon. No general with the brains of a corporal would willingly give his opponent a safe haven from which Saigon could be attacked in the night or even destroyed by relatively short - range missiles which Moscow and Peking have the power to provide," quoth Corporal Reston, who ought to know.

So why, then, the moaning and gnashing of teeth? Surely it is not over the notion of our having "violated Cambodia's neutrality"; rather like objecting to surgery for a bullet wound on the grounds that the scalpel will draw blood. Surely it is not because the war has been "widened" by Nixon; Nixon is not in operational control of the estimated 10 - 20 thousand North Vietnamese regulars today romping about such places as Chhlong and Kompong Cham and Phnompenh. Surely it is not be-

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Deadline For Community Service Award

Entries

MAY 22

(open to any student group)

The Tech News

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No. 11

Glen White
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754-7412

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W I C N

Educational Radio

STATION MEETING — 7:00 P.M. TONIGHT MAY 5

Green Room — Alden MEMORIAL

ALL new, present and future members must attend if they want WICN to stay on the air. Summer plans will be discussed.

- DJ's
- Engineers
- General Staff
- News and Sports

General Station Meeting and Corporation

MEETING — TUESDAY, MAY 12th

Hogan Center — College of the Holy Cross

Lesley Small Elected FRESHMAN Dorm Committee Head ATTRITION

ELECTION



Miss Lee Small, class of '72, was recently elected Chairman of the Dormitory Committee. This position also makes her a member of the Executive Council of the Student Government.

Lee plans several innovations for next year. She plans to ask the Student Government for a budget of \$100 in order to finance such things as Christmas decorations and dorm parties. She would like to see better lounge facilities and more dorm social activities such as intra-dorm sports.

This is the first time a room draw existed and Lee would like to retain this. She also thinks the upperclassmen who have a room should be given the option to keep it for the following year. As for parietal hours, the new chairman feels weekend parietals should exist for Freshmen the first few weeks but that open dorms should probably go into effect by Homecoming.

The Food Committee is a sub-committee of the Dormitory Committee. As in the past, the Committee will continue to try for better food such as more salads and cold plates. Lee also plans to publish minutes in the TECH NEWS every week, so that everyone will be aware of what's going on.

Of the original Class of '73, numbering 638 only 14 have withdrawn from Tech. This compares favorably to the class of '72. During their entire freshman year, they had ten withdrawals.

The reasons for withdrawing during a semester vary from one individual to another. However, most have personal reasons like financial need, a crisis in the family, or realization that one is not ready for college. Poor health and poor academics usually cause a few to withdraw prematurely.

Since the percentage of withdrawals during the academic year is insignificant, no reliable predictions can be made.

A larger number of people do not come back after completing the June semester. For the last four years the number of non-returnees (for the whole school, excluding graduating seniors) has averaged approximately 180 students. Of this number around 130 are suspended for academic reasons. About 50 voluntarily do not return and they give no reasons. It is suspected that most of these people either go to work or into the services and probably a few transfer to other colleges.

With these non-returnees statistics and the present population of the school, one can extrapolate that 160 - 200 students will not return to W.P.I. next September. Since freshmen comprise one-third of the school and since upperclassmen, being closer to graduation, are less likely to leave Tech, probably 60-80 freshmen will not be returning.

Parents' Day

Over five hundred people listened to four speakers on Parent's Day held Saturday. The day, an annual tradition at NPD, had originally been cancelled this year, but was held at the request of the Society of Families.

Speaking were a student, Henry Block, an alumnus, Jack McCabe, '68, a faculty member, John P. Van Alstyne, head of the Mathematics Department, and W.P.I. President, George Hazzard.

A tailgate picnic was held for lunch and the parents spent the afternoon watching a video tape demonstration given by Professor Scott of M.E., the W.P.I. baseball game with Brandeis, and the Rusty Callow Regatta.

Crossfire

cont. from pg.2 col. 5

cause the sweep represents a drastic, unprecedented, irresponsible shift in administration policy; 'way back in May, 1969, Nixon said flat out that the Vietnam settlement he envisioned would "...include Cambodia and Laos to insure that these countries would not be used as bases for a renewed war."

Whish is to day: for years we have been shrugging our shoulders at the reports of X thousand Red troops attacking out of Laos or Cambodia, or fleeing there for sanctuary. But now that Hanoi is well on its way towards blitzing Cambodia right out of existence, Lon Nol's tinsel optimism not withstanding, it very simply becomes necessary to draw attention to the long acknowledged reality that Cambodian soil is not sacred if the protection of American lives is at stake.

There were other options, but none so attractive as the one we have exercised.

1. By "officially" entering Cambodia in force, we give pause to the North Vietnamese, who will now have to consider the effects of our limited presence in terms of their own immediate plans for conquest, plans already threatened by the upcoming monsoon season.

2. We have also in the short run denied the North Vietnamese "space" for uncontested maneuver, which otherwise could have been utilized to make sport of any small scale military or pacification efforts within raiding distance of the entire Cambodian boarder.

3. Strategically the fall of Cambodia would be a large scale disaster, as a glance at the map should indicate. Thailand has enough troubles at its northern boarders. A simultaneous attack against Thailand and South Vietnam from Cambodia could net Hanoi untold advantages if for military and/or political reasons we could not help them both

Seven hundred and nine students voted on referenda and amendments to the Student Body Constitution, voting to increase the social dues and in favor of the immediate withdrawal of all troops from Vietnam.

Three proposals were amendments to the constitution and therefore required a two-thirds majority of all those voting. The students approved combining the Financial and Activities Board and removing the requirement of junior status from the office of dorm committee chairman, while voting down the removal of junior status from the office of Student Body President.

The Amendments and votes are given below:

APPROVED:

Are you in favor of combining the Financial Board with the Student Activities Board?

387 YES 177 NO

APPROVED

The Dormitory Committee has suggested that the "junior" status be removed from the requirements of its Chairman, and that his election be held in April rather than in May as is stated in the following rewritten Section 21 of Article 8. Are you in favor of this change?

"Term of offices shall be one year, with elections being held the first week in October for everyone except the Chairman. He shall be elected in April by the present Dormitory Committee. He shall automatically accept his office.

443 YES 146 NO

NOT APPROVED (two-thirds required):

Are you in favor of removing the class restrictions from the office of Student Body President (presently, he must be a junior) i.e., do you approve of the following rewritten amendment?

"The President shall be a full-time student in good standing at the time of his election."

346 YES 258 NO

APPROVED (simple majority required)

1. Are you in favor of increasing the Social Dues five dollars per semester beginning September 1970?

374 YES 236 NO

APPROVED (simple majority required)

2. The referendum on Vietnam:

ARE YOU IN FAVOR OF THE IMMEDIATE WITHDRAWAL OF ALL U.S. TROOPS FROM VIETNAM?

313 YES 275 NO

NEW CLASS OFFICERS

FROSH

Pres. George Bickford V.P. Greg Stamper
Secy-Treas. Dave Hubble Rep. Maryanne Badgis

SOPH

Pres. Dan Singleton V.P. Rich Sojka
Secy. Rich Pantan Treas. Steve Desmarais
Rep. Tom Tracy

JUNIOR

Pres. Don St. Marie V.P. Paul Popinchalk
Treas. Frank Steiner Rep. Don Tannana



Parents examine "Natural Gasser."

The "Natural Gasser" is a converted 1965 Chevelle powered by bottled propane. Propane costs one-fifth as much as gasoline.

Glee Club Visits Washington

Forty members of the WPI Glee Club and the Last Minute folk group completed a hectic spring touring season this week-end with a trip to Washington, D. C., and Woodstock, Conn. The

Letters

continued from pg.2 col. 3

opinionated reporting. Many points of view should be presented, NOT JUST ONE. You men say you want to make W.P.I. a better place. Well, did you ever think about starting "at home" and making a better TECH NEWS?

Thank you
Lenny Polizzotto
class of 1970

group left WPI at noon on Friday, arriving in Washington around 9 p.m.

Saturday was a day of sight-seeing, followed by a very successful concert with The Trinity College Glee Club at Trinity College. The combined clubs sang The Bach "Magnificat" before a very good audience. The girls then hosted a party at their campus Rathskellar.

The club left Washington at 6 a.m. Sunday to arrive at Annhurst College in Woodstock, Connecticut, in time for a joint concert with their Glee Club. The concert concluded their Parents' Weekend, and a very receptive audience was there also.

through the period of crises. So our tactical sweep possibly, just possibly has worthwhile "strategic consequences, in that the fall of Cambodia just may have been delayed, if not unfortunately, precluded.

Which consequences too many of us are prepared to ignore in the name of peace, justice, and the American Way as it is currently being interpreted by the Super Liberals. But pause and ponder the words of C. L. Sulzberger: "The United States would destroy itself if it dropped everything and took an easy way out. The effect on its global position, including Europe, would be disastrous, but the effect on the American people might even be worse." "In the end they, too, would realize what had occurred and the reaction would be terrible, shattering national morale."

America would not, then, be the only one to lose faith in America. No one can say with certainty what the effects of a new wave of isolationism - coupled with a n international distrust of America's ability to cope with her enemies -- might be. It should not be too hard to make an educated guess.

One wonders if perhaps the advisors of Militades had had doubts, and mused aloud over the desirability of meeting the Persians at that point in space and time, or even if their differences were not after all negotiable. Professor Spyridon Marinatos, standing at the edge of the mass grave of the Plataeans told the reporters: "Many top foreign archeologists and historians believe that if the Persians -- who, before Marathon, had conquered Eretria on the island of Euboea, a maritime power at that time--had won, and conquered Athens, whose civilization and culture were then beginning to flourish, Western civilization as we know it today, for better or for worse, could not have existed. The dead we found are the heroes of the battle that saved civilization."

COMMENTARY ON PLANNING REPORT

Analysis

Faculty Discussions Constructive

by Glenn White

The main battle lines over the Plan seems to be forming over the question of just what type of pilot program should be implemented. The report calls for the faculty to make a commitment to the Plan now, a pilot program which would begin in 1971-1972 and compromise all entering students and most upperclassmen by 1974-1975. Other faculty members want to establish a pilot program lasting a minimum of four years under which a group of students would receive a degree. According to this group, only then, if the pilot program is successful, should the faculty commit itself.

Most of the other concerns seem to be scattered, as faculty members worry about the details and, naturally, about the parts of the Plan that concern them the most. There has been surprisingly little discussion of the philosophy of the Plan, perhaps because that subject was exhausted last fall. There is a striking difference between the comments faculty meetings on the Model last fall and faculty meetings on the Plan now. Last fall the tenor seemed to be very negative and one wondered if the Model was not already dead. This spring, there appears to be considerable support for the gen-

eral ideas and the criticism has been very constructive and, at least in part, concerned about details. Most of the faculty seem to be poking at the Plan, testing weakpoints and attempting better solutions to particular points. The turnout at the faculty discussions has been disappointing. One reason, as a faculty member suggested, might be that a great number of faculty have already made up their minds on how they will vote.

An example of this spirit of constructive comments has been the proposal of Professor F. Anderson for a four-year pilot program before committing WPI to the plan. It is tempting to say that this is a last-ditch attempt to save the school from the plan but the more likely reason is just what he says: he wants a program that can be accepted by ALL the faculty, both those interesting in "liberalizing" the curriculum and those skeptical of sudden change. The potential for increased divisiveness among the faculty over the Plan is great.

The reasons for the change in faculty attitude since last fall are varied. The Planning Committee is handling the politics of the matter very well, especially compared with last fall. Many of the faculty feel more a part of the Plan now, since they were involved in planning sub-committees. The Planning Committee have also compromised a number of ticklish points. They have retreated from their position against departments in the third report and have added grades in the studies and study-conferences to the transcript. They have repeatedly emphasized that a student, under the proposal, could follow the same pattern he does now.

Student response has been minimal. The report arrived at the same time as spring and spring was clearly the more attractive. The student body is also divided at the present time into what could be called the "freaks" and the "straights", and this has prevented any effective leadership from emerging. Another reason for the low student interest may be that they do not feel an integral part of the planning process, that they feel that the Plan is for the faculty by the faculty, and that, anyway, it will not be implemented until after they leave.

the program in its present form. I would emphasize the attempt to match the interests of student and advisor, realizing, however, that there must be the flexibility to allow the student to vary his program as he progresses. I would urge that a procedure be established to allow the student or advisor to request a change (one has to guard against abuse of this freedom to change advisors). One cannot guarantee compatibility between two people who are "assigned to each other".

"The assignment of a faculty member to the role of advisor should be based upon his interest in students, the diversity and depth of his knowledge, his commitment to the academic program, and a thorough consideration of his potential as a contributor to other parts of the program, i.e., project supervisor, lecturer, or director of independent study." That is the statement in Two Towers IV concerning the assignment of advisors. I have the impression that everyone on the faculty will be asked to be involved in the advising program. I wonder if all of the faculty fit into this

cont. p.5 col.5

... From The President

TWO TOWERS IV is the result of 18 months of very hard work by a dedicated committee at a considerable personal sacrifice. Their report deserves the thoughtful, serious, and rational consideration of every member of the WPI community. It has had mine and at two levels, philosophical and practical.

In the philosophical level the report expresses views that I heartily endorse. That is, it joins the student and faculty together in the learning process; it recognizes the maturity of the student and his or her responsibility for learning; it sets educational goals and tries to match learning mechanisms to those goals in an operational way; and finally it attempts to join the "theoretical" and "practical" in ways most effective for motivation and for future application of a person's efforts.

On the practical side the report presents a carefully thought out plan for the implementation of this philosophy. I like the multiplicity of learning mechanisms and the calendar structure that makes it possible. (I do feel that the 3 week intersession should be as "required" as the four regular sessions.) The use of essentially an apprentice system in the project activity seems a good way to learn about complex human technical problems. The advising system is crucial to success of the plan. It could be a marvelous experience for all concerned, or it could be a complete bust.

Frankly, I am excited about the whole idea yet disappointed at the lack of interest and discussion. What decisions we all come to about this program will have profound effects on our success as a college, even our survival as a private institution. The report deserves our utmost consideration.

George W. Hazzard
President

...By Prof. Anderson

Comments made by Prof. F.A. Anderson at today's special discussion meeting on the final report of the planning committee:

First of all, let me congratulate the TECH NEWS on its policy of consistency in quoting me out of context.

Those of you who were present at the initial presentation of this final report of the planning committee hopefully recall what was really said.

Secondly, let me say that my remarks at last Thursday's meeting were directed at the plan presented by the committee and not at the members of that committee as individuals. Even the Supreme Court comes out with some unusual documents on occasion.

Finally, I would like to say that I am looking for a compromise plan which could be supported by essentially 100 percent of the faculty. Hidden in my remarks of last Thursday was the elements of such a compromise, namely the suggestion that we have a truly "pilot program" rather than the "transition program" which is what "the plan" of the planning committee proposes.

As I see it, a pilot program is a compromise which will give us the advantages of the uniqueness of "the plan" and the strengths of our current programs.

We can search for sources of funds to support this pilot program gaining experience as to its appeal on this level.

We can recruit students for the pilot program, again learning that it will really be attractive to a large enough group of prospective students.

We can gain experience as to the realistic problems of the cost of running project type instruction including realistic estimate of faculty time requirements, as well as the important problems of evaluation of student performance and of program effectiveness.

Such a compromise does not require the sacrifice of our current graduate program nor of our departmental structure (the committee may take this as a negative result rather than the positive one that I foresee).

Such a compromise does not put all our eggs in one basket with the result that if "the plan" does not prove successful we still have the reputation of our traditional programs to pull us through.

Frederick A. Anderson

...From a Student

by Dave Murphy

It is probably symbolic that I am writing this article on the latest planning report with an open copy of Webster's dictionary lying on a ditto of the commencement functions I must attend next month. Four years at WPI and I can't write a paragraph without opening a dictionary at least once. The completed plan for WPI offers this school a chance to un-TECH its students, and like always the students and faculty have greeted the report with a big yawn. Within the covers of Two Towers Part IV, lies an educational program which will make this school and its students unique among private schools.

The plan itself is a procedure to implement the goal of the college which is stated in the beginning of the report. The significance of the plan could easily fill many pages, and I only want to mention some things that I feel are the most important.

First of all, in the plan I see a tremendous philosophical change taking place. Nowhere in the plan is there mention of a below-average student, which is a recognition of the fact that WPI has no below-average students. The plan reflects the type of confidence in students that this school has lacked. The school in the past needed grades, mandatory classes, set curricula, and in loco parentis because it made a basic assumption that students are lazy, uncommitted, and immature. This assumption generated the type of students that would fit this mold, and a vicious circle was started.

By substituting a new assumption about students, the plan has allowed innovative ideas to take shape. Students under this plan are allowed to participate with the school in setting up a goal for themselves which capitalizes on the students abilities, and educates rather than trains the student. The student can be motivated because he is working on an objective that he himself has agreed upon. The student can be given responsibilities to work on his objective, as opposed to the present system that shackles the student to his work.

cont. p.5 col.1

Athletic Dept. To Submit Amendment

The Department of Physical Education and Athletics plans to submit an amendment to the Two Towers Part IV Report. The amendment will request that the taking of some Physical Education courses be necessary before graduation. These courses, it would be hoped, would be taken in the freshman year and completed no later than the end of the second year.

Courses could be selected from a number of offered courses. These would entail introduction to and participation in a number of "Lifetime Sports". These courses would be more extensive than those now being taught. There would be more instruction by department members, a greater detailed discussion on rules and techniques of skills and more laboratory work (actual play).

Further, the department plans to present for adoption at a later date, a number of elective courses which will be open to any undergraduate student. Some of these courses may be confined entirely to classroom work.

The department strongly endorses the philosophy of a "healthy body makes for a more alert, active mind", that physical activity enriches life, that games and contests and friendly competition sharpens one's mind and releases those tensions that no one is immune to in these pressure-packed days.

The certainty of fewer working hours for all Americans in the future, opens up new recreational opportunities. Many will learn skills here at W.P.I. that will enable them and their families of the future to play and relax and enjoy life together.

Prof. R.W. Pritchard
Dept. Head

Mature Student-Teacher Relationships Needed

by Robert Long II
Physics Dept.

What kind of relationship should exist between a student and his teacher? This question has received much attention in "Two Towers IV" and is particularly important with regard to the advisor program. My attempt to answer the question can only be based on my own experience and personal beliefs. I feel, however, that the question has to be viewed within the context of the relationship of one man to another.

What do the students feel about their professors as persons? Is he an idol to be worshipped primarily because of his title or degrees? Is he of another world, a supernatural world (a misconception that has prevailed in Church circles concerning the clergy)? Is he an intellectual whose main purpose is to transfer his notes by way of mouth to the student's notebook without passing through the minds of professor or student? Does he put on his pants the same way that you do, one leg at a time?

What do the professors feel about their students as persons? Is the student an adolescent to be nursed along and spoon fed? Is he a product to be roughed out and then polished up before being sent out from the factory? Is the student a statistic to be handled like a piece of data in a computer program? Does the student actually have the potential to be a better scholar than the professor?

I believe that the professor ought to be recognized as a human being no different from anyone else. He ought to earn the re-

spect of the student by his experience, knowledge, expertise in a limited field, his ability to stimulate the student to learn, and his concern for his fellow man. Similarly the student ought to be recognized as a person striving to gain a better understanding of himself. He ought to earn the respect of the professor by making a conscientious effort to grow in his understanding of himself, his environment, and his fellow man.

The atmosphere (academic program and physical environment) should be designed to make it easy to foster a fruitful relationship between the teacher and his student. I have found that this kind of atmosphere exists to a certain extent right now at W.P.I. and I feel that this is one of the virtues of being a small school. In my department (Physics) the relationship between Physics majors and the staff appears to be a healthy one. This is in part due to the small number of physics majors per staff member, but it is also due in part to the project work done by the students in the junior and senior years. The interaction between student and teacher appears to be motivated by a common interest. I would hope that in the future there would be locations other than classrooms, laboratories, and offices where faculty and students could meet for exchanges of ideas.

Will the advisor program put forth in Two Towers IV help to improve the relationship between student and faculty (in this case the advisor)? I believe that it can, but I have reservations about

Proposed Undergraduate Degree Requirements

(Italicized terms are defined in the GLOSSARY)

The Bachelor of Science degree from Worcester Polytechnic Institute would be awarded upon completion of the following:

1. A normal residence of 16 TERMS.*

*Students with exceptional backgrounds or who would have demonstrated unusual accomplishment at WPI might, upon recommendation of the Council of Advisors, take their COMPREHENSIVE EXAMINATION before the completion of the normal 16 TERMS and receive their degree early if other requirements were met. In any case, however, early examination would not be recommended before completion of 8 UNITS in residence.

2. Acceptable or Distinguished completion of a COMPREHENSIVE EXAMINATION in the major field of study.

3. Qualification in a minor field of study either by SUFFICIENCY EXAMINATION or by overall evaluation of two UNITS of work in the area. Students majoring in a scientific or engineering field would normally fulfill the requirement in a humanities area. Students majoring in a humanities area would normally fulfill this requirement in a scientific or engineering area.

4. At least two UNITS established by Acceptable or Distinguished work in an advanced level activity involving INDEPENDENT-STUDY or PROJECT work. One of these UNITS would have to be in the student's major field. An activity relating science or technology to society is recommended for the second UNIT. Examinations may not be substituted for this requirement.

COMPREHENSIVES

Since some question has arisen about the comprehensive exam among students, the following is excerpted from THE FUTURE OF TWO TOWERS--Part IV:

A meaningful COMPREHENSIVE EXAMINATION should place emphasis, not on what the student might know, but rather on what the student could accomplish with his knowledge in a situation he had not previously encountered.

This type of examination would require considerable effort in its preparation. Some disciplines might find that annual prize competition problems prepared by professional societies would be useful as Comprehensive Examinations. Others might wish to ask colleagues from other campuses or industry to submit questions or problems. Both of these suggestions emphasize the importance of the generation of questions by outside experts, not only to insure credibility of the examination but also to provide for a greater diversity in the type of question or problem posed. Above all, no single format or time schedule should be determined; each discipline would, through experimentation and review, develop its own form for the COMPREHENSIVE EXAMINATION. Nevertheless, successful completion of the examination should be indicative of the student's ability to make effective use of his knowledge.

SAMPLE COMPREHENSIVE EXAMINATION QUESTION: FOR AN ENGINEERING STUDENT

There is renewed interest in vapor-change power plants for automobiles. As the working substance, water has many disadvantages. Design a fluid for use in the power plant. The basic criterion for the design is maximum efficiency of the power plant cycle.

The comprehensive was described as follows in THE FUTURE OF TWO TOWERS--Part III: A Model:

"This examination may include oral as well as written parts, should be of the 'open-library' type, and must be the work of the student alone. Care must be exercised that it not be possible to 'cram' for the examination. The student's efforts must not be oriented toward passing the examination. Comprehensive problems, research proposals, design problems, and comparative work are suggested possibilities. In any case the examination should confront the student with the unfamiliar."

The TECH NEWS story that stated that the comprehensive exam was the ONLY degree requirement was in error. The comprehensive is only one of four degree requirements.

From a Student

cont. from p. 4 col. 5

Another promising point the plan has developed is a sense of a unified community, where conflict between the students and faculty and between the students themselves is broken down. Presently I am identified the following way: firstly, I am a Sigma Pi, secondly I am a Senior, and probably last of all I am a WPI student. The plan has realized a significant point in education and that is students learn as much from their peers as they do from a classroom. The projects work can and will be an important part of this process of increasing communication. Projects also create a new responsibility on the part of a student. A project group depends upon each individual doing an equal share of the work, and the motivation to work to help the members of your group probably will exceed the type of desire you get when you wave an A in front of a student. Within the plan I can see more ideas for a meaningful education. These include the realization that students cannot give their complete interest to five courses that have little or no interrelation.

The last point about the plan that should be made is that in its complexity there lies a means for those members of this community who don't agree with the plan to defeat it. There is much in the plan that could be brought up by people who would much like to see it bogged down in insignificant arguments. The plan will work and should be passed. When in operation, those irregularities will work themselves out. The second thing I fear is that some members of this community would rather see a trial period for the plan rather than an all out commitment. A trial period would allow the school to abandon the plan if difficulties arise.

With an all out commitment, we will have to work out the problems which will probably become numerous during the transition period. With my education here at WPI terminating in a month, I wish the students and faculty who will be working to get this idea from paper to reality the best of luck

- Opening Soon -

WPI Presents

TWO TOWERS IV

APATHY

Students, Faculty, Administration, and 35 Apathetic men on rollerskates with a marked propensity toward procrastination and sloth!

Several years ago a new and exciting play "Hair" made the scene on and off Broadway - its philosophy revitalizing and bringing new spirit to a theatre - Today TWO TOWERS IV is making the scene - the length of the run determined by the opening night reviews. However, as far as this reviewer is concerned we can't wait until opening night for everyone to get on the band wagon. The whole scene depends on the total cooperative involvement - not just a few students, not just a few faculty, not just a few companies, but EVERYONE.

Several people have been using APATHY as the key word across the billboards which announce our upcoming production. It is a good word but unfortunately it is a contagious one. If people spread the contagious germ too soon many could hurt the final production. Everyone has to be aware that a new production costs money - involves commitment and dedication. Unfortunately there is always the possibility that it "could bomb in New Haven." Even after the opening, changes are made to refine, highlight, and give impact to certain lines, but it is terribly difficult to completely rewrite the total script. All the rehearsals are going on now - it is vital for all the cast to involve themselves and to help cut, rewrite, and redefine so that once the curtain rises it does not lose the needed smooth-flowing continuity to give a brilliant performance.

Let us move in our minds beyond the opening and into the regular season - we have scored a

hit and everyone outwardly agrees. We are ready to go on the road with our production. We are proud to show it off. The backers also want a piece of the action. They did and will continue to be able to share that action. They come from all facets of life - industry, graduate schools, government - you name it. They will find great satisfaction in knowing that they have come into their areas individuals who have self confidence, have flexibility, proven motivation - not just for a routine job but people - a new breed - humane technologist - who not only see a challenge but coupled with intellectual restlessness and curiosity be aware of social injustice, fight are aroused - aroused enough to moral degeneration, and spiritual laxity.

As with any area of life some will not make it, some will fade away, some will not be capable or even interested in attempting to make their way to the top. Some will not be able to handle the independence of being on their own - self-discipline not being their forte. There are some people who proclaim our students as "dull", but then perhaps it takes "a dull person to know a dull person." Some feel our "average" student, (too often average to those of us who see them daily but way above the norm nationally), can't make it, but if we give them the sense of direction, the purpose of idea and ideals, then it is an exciting prospect for them to be on the "new scene."

When I first read and listened to the beginning scenes, I had

by Dean Trask
reservations and even now there lingers at times one or two doubts about this or that part but in total, I find the production an example of which will probably be imitated by many of our collegiate colleagues. We must look through the trees to see the forest, we must separate the wheat from the chaff, we have to see the bits and pieces. However, foremost we must look at the over view. We do not take one scene of a play and base our entire objection on that one part. One piece of pie does not the whole pie make. We cannot and must not get hung up on our own small individualistic viewpoints. We must realize that even though each of us is concerned with our own selfish little corner, we must give and look at the total involvement as it effects and relates to the community of Worcester Tech today. This is an innovation in what can turn out to be an exciting educational experience. It can be our "trip" without the damaging side effects that many experience on new adventures.

The tools - utilizing the pragmatic approaches to today and our new concepts of tomorrow will benefit our student - allowing him to take with him beyond the ivy colored walls some new philosophies - some of the more intangible ones might be: 1) Independence for creativity 2) Interactions with others 3) Ability to communicate 4) Personal independence not governed by rules, regulations and departmental restrictions.

In obtaining this freedom of movement he himself gains insights into new horizons - he will be sought after by companies and graduate schools alike.

As a student, more will be known about him especially by his advisor. Not just as a name to be checked off on a grade report but as an individual - full of his own dreams and desires, capable of his own loves and hates, acknowledging that there is beauty but also ugliness - in other words a total person. He can be known for what he is - what he thinks - what he does. The bones and skin and blood become a real person in a social, moral, and physical sense and the advisor can help mold and cultivate a personality - not just deal with another number.

(To Be Concluded)

Student-Teacher Relationships cont. from p 4 col 3

category. All people are not alike and if we want our students to gain a mature understanding of themselves (something that most people spend their lifetime looking for) then W.P.I. must reflect the real world made up of people with a diversity of vocations. There are good lecturers, good researchers, and hopefully good advisors, and they are not necessarily the same person.

Finally let me say that at all costs we must guard against the student-teacher relationship becoming that of the doctor - patient or the employer-employee. We have a common purpose of increasing our knowledge and ability to learn. Let's do it together.

Students Meet With Planning Committee

by John Bower

Last Thursday a meeting was held between the planning committee and interested students. The planning committee was represented by Prof. Boyd, Prof. Grogan, Prof. Moruzzi, Prof. Heventhal, and Prof. Shipman. The main topics discussed were the suitability of the plan and the method and timing of implementation.

It was agreed that to be effective a commitment must be made to the plan. Prof. Shipman said, "If we go out and don't have the commitment for the plan then we lose the battle." It was believed that other colleges will later adopt this plan and that unless a commitment was made we would lose the credit that we need. Prof. Heventhal's statement, "If we don't get in on the freshness of the idea we won't be able to offer the full results," seems to show this point. The main value of initiative is that support will be gained.

The ideas voiced in the plan revolve around two points, the project oriented curriculum and the comprehensive examination. Prof. Shipman gave his opinion that the project idea was not unique but that the degree requirements were a great step ahead. David Hobill spoke of student paranoia over

the idea of the comprehensive exam and that it could be a tremendous tension builder. It was explained that the comprehensive would be the kind of exam graded by the outside and maybe designed by the outside.

The type of student who should come to WPI was also discussed. Prof. Heventhal felt that a more "intellectual" student should be admitted. It was also concluded that the intellectual atmosphere at WPI had not changed in the last three years. The planning committee felt that admission policies should be changed and that more applicants were needed in order to attract those who would be better motivated toward the plan.

In conclusion, the student disillusionment with the present and with the future system was realized. Students will get to know themselves better in the future system. The program is set up to give the student the student responsibility to develop his potential rather than to study certain specified material. Hopefully, the idea of a body of knowledge will be given up. A minor must be taken or passed in an area foreign from the major to make the student more knowledgeable. This plan attempts to make the ideal of the "humane technologist."

FACULTY CONTINUE PLANNING DEBATE

Faculty discussion of THE FUTURE OF TWO TOWERS— PART IV: A Plan continued last week. The greatest issue appeared to be what form the pilot program should take.

The question of the pilot program was first raised by Professor Bourgault in the second meeting. Commenting that the Planning Committee had done a "magificent job" and that he was more for the plan than against it, he stated that the school would "have to go through the experiment first" to see if the Plan worked and that the proposed implementation was not a true pilot program but merely a transition.

Professor Webster elaborated on this contention later in the faculty meeting. He commented that the proposed pilot program would give an estimate of the costs and such details, but that the final result of the Plan would not be known until a group had actually gone through the program, and that therefore the proposed implementation would commit a large portion of the school to the Plan before it was completely tested. Professor Fred Anderson, at the end of the second meeting, outlined a specific proposal for a pilot program. His statement is given on page four.

Professor Grogan of the Planning Committee replied that the program would be evaluated at the end of each year and that the Planning Committee was not asking for a commitment to the Plan regardless

of what happened during implementation. He stated that the school would lose a lot in term of opportunities if they only committed themselves to a pilot program, opportunities in the form of financing by foundations who would be much more interested in the school if the faculty made a "massive commitment" to the Plan. He repeated the Planning Committee's belief that the Plan was the way education in general was moving and that W.P.I. now had the chance to be a leader in education.

A few faculty not on the Planning Committee spoke against a lengthy pilot program. Professor Majumdar stated that thousands of students were going through a traditional program and asked why the whole school could not be an experiment. Professor Zwiebel also mentioned the need for a "discontinuous chance" which could be announced "with fanfare."

Another major point of contention was the section of the Plan on the Graduate School. Professor Silva explained that, while he supported the Plan, he felt that adequate consideration had not been given to the graduate program and that the Plan relegated the graduate program to a subordinate role. He then proposed that all references to graduate studies be deleted and that a committee be formed to start planning the graduate program. Another professor commented that, at best, the Planning Committee had attacked the

problem of graduate research with benign neglect and that a sound graduate program was needed for the intellectual health and vigour of the faculty.

Professor Boyd replied that the Graduate Subcommittee had done a lot of work in examining the present systems, but that they had developed a traditional graduate program. The Planning Committee had not had sufficient time to determine whether a traditional graduate program would meet the goal of W.P.I.

Another subject of concern in the Tuesday meeting was the comprehensive exam, to be given as part of the degree requirements. Professor Bridgman asked, "Is it tailored to each individual or to each field?" He then commented that he was rather hesitant of the efficacy of a single exam covering a wide area, but that he was afraid that an exam on an individual basis would mean a lot of work and might lower standards.

Professor Van Alstyne of the Planning Committee replied that each department would have to work out its own scheme for the grading of the comprehensives. He then developed the idea of a comprehensive. The exam would be open library and would not be concerned with a body of facts, but rather on how to use knowledge. He added that the very first day a graduate was on a job, he was given, in essence, a comprehensive.

(To Be Concluded)

SEALE RALLY QUIET

by Richard Dufosse

In his "lecture" at Holy Cross last month Abbie Hoffman invited everyone to a rally in New Haven on May Day. He mentioned that the object of the demonstration would be to "picket Yale-pick it up and send it half-way to the moon."

The real reason for the rally was to show support for the Panthers and demand a fair trial for Bobby Seale and the other imprisoned Panthers. Although the Panthers continually stated that the demonstration would be peaceful, the city of New Haven brought out the National Guard, extra police, and paratroopers to "prevent provocation."

Through most of the afternoon there was a concert on the New Haven Green. This was followed by a series of political speeches. The "top-billed" speakers were Abbie Hoffman, Rennie Davis, David Dellinger, and Jerry Rubin, some of Seale's co-defendants in the Chicago Conspiracy Trial until he was sentenced to four years for demanding his constitutional right to defend himself in



New Haven Rally

court. In addition to the regular speakers the Yale SDS set up a small platform at the opposite end of the field from which they proceeded to "lay on us" about an hour's worth of the usual rhetoric of the SDS calling for a worker-student coalition, the abolition of ROTC, and an end to rhetoric. I left about an hour and a half

after the speeches hoping Seale's defense would be more successful than this demonstration. The rally resumed again on Saturday for more of the same, after which the 25,000 people including the Chicago defendants left, this time playing it safe and not thinking any naughty thoughts as they crossed the Connecticut state lines.

ATTENTION CLASS OF 72

Elections for Class Social Chairman (J.P. Chairman) will be held on Wednesday, May 20, in Alden.

Any person interested in running please contact Dan Singleton as early as possible at A.T.O.

(756-5656)

English Tutor Versus American Advisor

by Prof. Louis Curran

It was pointed out in a recent faculty meeting that the success of the proposed plan for the college, "The Future of Two Towers, Part IV", rests upon the advisory system. If the faculty advisor cannot advise then the program as it is outlined, will most certainly be a failure. However, the present 'plan' seems only to specify that the advisor will "...assist his advisees in defining their educational goals, developing with them study programs directed toward achieving those goals, and guiding them toward both intellectual and social maturity."

The idea of an 'advisor' is not new - far from it, it has been functioning most successfully in English Universities for centuries, but because it is a relatively new thing to our Germanic tradition of 'Institute' instruction, we find it ill defined and open to almost any possibility of stimulation or indifference.

Perhaps I should begin with 'what is a Tutor'. An undergraduate when going 'up' to an Oxbridge college is automatically assigned to a 'Tutor'. Usually, he is residential or attached to the college, at the university which has accepted him. However, there is one major difference in the undergraduate, which cannot be ignored when discussing the tutorial system as practiced in the United Kingdom. He does not come to the university looking for a 'liberal education'. He is admitted to one department to 'read' a subject, such as Math, English, Engineering, Greats (Latin and Greek), etc. By the time that he has finished his 'High School' education, he is finished taking bits and pieces of education just to find out what he likes, and so he goes up to Oxbridge already prepared with the basics in his subject, which makes tutorials much easier.

The job of an English Tutor is to personally oversee the education of his undergraduates. There are usually two meetings per week, where the work to that date is discussed in detail or, if it better suit the subject, in abstract. Also, there may be a meeting of several undergraduates assigned to a don in a 'seminar' setting. The tutor, though an expert in one branch of his discipline, MUST tend to the progress of his undergraduates through the general course of study for the qualifying examinations, making sure that all fields which pertain to the subject are covered. Perhaps I can say that by an example: if Tutor X is an expert in Electron Theory who has an undergraduate reading 'Physics' with him, it is his job to make all the bits and pieces of knowledge which his undergraduate receives make a coherent whole. He DOES NOT have to cover each separate field in detail himself - that is covered in the general lectures, and so he advises which lectures are needed to cover certain fields as they arise. Herein may lie the basic differences between what we do now and the English System. An undergraduate does not take a course because a faculty decides that he may need it, in the future, or to be a 'well rounded person', or to 'certify him as an intellectual'. There are only two reasons why a lecture should be attended. Either the student wants the knowledge under discussion for himself - his own reasons - or his tutor has advised him that he must have the material put forth in a certain lecture for progress in his chosen academic discipline. His tutor makes him aware of what is lacking in his own understanding and how to fill the gap. He also has the ability to direct studies through the entire spectrum of his field while being an expert in a very narrow branch of it. (While I had no knowledge of literary medieval Latin handwritten abbreviations, it was obvious to both my tutor and myself that a knowledge of them was going to be necessary for research into 16th century English Music. And so, I had to learn them!)

In the plan "Two Towers, Part IV", there is confusion in my mind about how an advisor is to function or to supervise. But I don't see how a specific definition could possibly be entertained at this time, when only a modicum of the faculty has had previous experience with a 'Tutor' or has acted in this capacity. We must, if we adapt this plan, experiment with the idea of 'the advisor' until the concept fits the demands of the proposed system of education. Without proper advisors or, if you will, tutors, the Two Towers will contain cracked bells.



Supporters of Black Panther Bobby Seale at New Haven



PRESIDENTIAL CANDIDATES SPEAK :

DAVE HOBILL

Presently on the existing constitution with the withdrawal of "Fat Al" McTammany from WPI the student government is now in a state of collapse. Anyone elected to the office of President of the Student Government must therefore create an organization for which he will serve as President, since under the present constitution "Fat Al", remains president.

The writing of a new student government constitution has become mandatory before any action may be taken. This constitution must be written in order to be compatible with both the new faculty constitution and the planning committee's final report. The basic philosophy behind this constitution has already been given to us in the FUTURE of TWO TOWERS, and what remains is the formulation with the help from the entire student body, faculty, and administration.

The new constitution should include many of the ideas brought up by the constitutional committee established by "Fat Al" (see Tech News March 17, 1970). There definitely has to be greater contact between the student government and other members of our education community. Just as the Faculty constitution provides for specific subcommittees which maintains student members, certain committees of the student government must contain faculty and administration members if an effective academic community is to exist.

The constitutional "convention" must be held sometime within the near future. Anyone with ideas should be urged to attend and from that a definite committee formed to write the constitution. But one thing is certain, and that is, the constitution should be based on a goal of establishing a community where students should be responsible for their own education, socially and intellectually. This seems to have been lacking in previous constitutions formulated only to create an effective political structure for WPI student body.

But, a new student body President and constitution do not entirely make up an effective student government. The student body itself must be willing to do the work proposed by the government. One person or a small group on an executive council cannot accomplish everything. Out of 1600 students there must exist talent through which many things may be accomplished. The job of a President is not to do the work but to find others more capable of doing it. The President must also generate as well as disseminate the ideas necessary for an effective organization.

The President cannot stimulate a student body in which there is no interest before hand. Presently we have seen that there hasn't been too much interest in anything or even any reaction. With the election of "Fat Al" it was hoped that students would take initiative in getting things accomplished. But, this also failed. Therefore, it is not the President's fault each year for the failure of the student government but is in actuality the failure of the student body to support the government after the Presidential election.

The issues of the immediate future other than the establishment of a constitution are:

1. The maintenance of academic freedom. This is an issue for every student. Each one should be held responsible for what he says or does. A student or a group should be allowed without penalty to express his views in any non-violent means. Specifically, there is a proposed student strike against Nixon's plan for Indo-China.

2. The abolition of In-LoCo-Parentis. Students should accept the responsibilities given them. Fraternity members, just as those living in apartments, should not be protected from civil law. The only protection any student should receive is when he is on campus or on school owned property.

3. Establishment of the position of Resident Psychiatric Counselor. This may be accomplished by decreasing the number of dormitory counselors and using the money to provide a salary for such a person.

4. A basic understanding between Blacks and others as to the philosophies behind their demands. Normally this would come under maintenance of academic freedom but, we at WPI have a definite problem when it comes to the Black students. Meetings should be established (but not forced into existence) in which both parties may present their views in a sane manner.

5. Projects in Ecology. Many are being planned now but without student help they can be easily extinguished. The clean-up of Institute pond must be paramount in that this deals specifically with WPI. Much more is needed than just a day of rhetoric on the subject.

6. The increase in student - faculty relationships. This responsibility lies almost entirely with the students and faculty. The student government cannot engineer environment for this to exist. It may be able to provide ideas but the progress depends on the people involved.

VOTE FOR STUDENT BODY PRESIDENT ALL DAY THURS. IN DANIELS

I.F.C. ANNOUNCES OPEN RUSH PLANS

The Inter-Fraternity Council, composed of the rush chairmen of the twelve different fraternities has gotten together in a series of meetings over the last six weeks to make plans for the open rush system coming next fall. In talking with Jeff Petry, a member of the Rush Committee, several points were made. First, there will be no rushing at all during Frosh week. Orientation for freshmen will begin on Sept. 15th and run through Friday, Sept. 25, with classes beginning on Sept. 21. The basic idea, as Jeff explained, of no individual fraternity rushing is to sell fraternities in general, as a whole - to effect the unity of the different houses on campus. During orientation week though, different aspects of fraternity life will be portrayed - during the Tech skits there will be a short skit about fraternities and there will be short seminars about fraternities, where interested freshmen can come down and talk with fraternity men about the different aspects of fraternities.

On Saturday, Sept. 26, the I.F.C. will sponsor a mixer in Alden for freshmen and upperclassmen. Then on the following day, in both the afternoon and evening, and on Monday Sept. 28 and Wed., Sept. 30, tours will be conducted. On these tours however, girls will be included to acquaint them with the location and set-up of the various houses. Also, upperclassmen will be sent invitations to take part in the tours if they so desire. After the tours, rushing is left to the discretion of the individual houses, with the pledge date being October 31, one week after Homecoming.

Basically then the programs will consist of one week of selling the Greek system and four weeks of open rush. The minimum rules,

however, are there -- no rushing will be allowed in the dormitories. There will be written bids, but they can't be given out until two weeks before pledging. The bids are binding on the house and not the rushes. Also this year there will be no limit as to the number of pledges; the previous limit was 40. This year however, fraternity jackets and Greek letters will be allowed to be seen. Fraternity men will be allowed to talk informally with freshmen that they already know. It was also decided upon that there would be no rushing during Homecoming Weekend, mainly because at this time the fraternities would be quite tied up with their alumni.

The outlook then for next fall for the I.F.C. looks quite good - the I.F.C. mixer the first week of classes, the possibility of an I.F.C. concert during the fall, the possibility of an I.F.C. block party, idea that all the houses will be open at any time for a prospective rushee to come in and view, the restriction that any time there is a social function on the hill a fraternity house can't have any scheduled activity, and no-restriction on alcohol for freshmen. These ideas plus the I.F.C.'s getting together to put out a summer booklet which will include a letter from the President of the I.F.C. a letter from Prof. Grogan from the I.F.C., a picture and brief history of each house on campus, and a couple of thought-letters which will include 20 reasons on why to pledge fraternities ought to make next year's rush quite interesting. The idea of one central welding of forces instead of 12 separate factions should have a tremendous effect on both the spirit of rushing and the unity among different fraternities, hopefully, providing a change for the better.

PAUL EVANS

Anyone who runs for the office of student government president must realize that he is making a serious commitment in terms of his time, his loyalties, and his values, which must be representative of all the students. I feel I can make that commitment now.

At this time, student government is hurting, we all know that. They obviously haven't produced any tangible results for some time, because of their own apathy, multiplied by that of the student body behind them. I want to change this, as I guess every candidate for the office of President has always proposed to do.

I want the members of the executive council, and through them the whole student body, to become more aware of the conditions in the world around us, and to do something positive about them, take an active part in the community. This is, I feel, a major goal of the student government as a body.

Contingent with this is the passing of the Planning Report. If it's not passed in full, students themselves should definitely push for some of its major benefits, such as the independent study program, and the increased number of electives.

Also contingent with this goal are projects such as cleaning up Institute Pond and getting student support on this campus for the causes of our nation's blacks and poverty cases. You can go on and on about what has to be done. Anything is an improvement.

First of all, though, the student government needs to draft a new constitution and get it passed by the students (2/3) as soon as possible. The old one is too ineffective and full of wordiness which bogs down operations of the council.

Anything I left out I can sum up by my second and final principle I think student government should adhere to. That is, that the executive council must accept as its responsibility any project which will make students more content here, and more willing to come here; any project, that is, which doesn't go against what the council feels are the educational and moral ideals of the school.

Thank you.

Research Guides Set

New York, N.Y. - (I.P.) - After a year and a half of study by two faculty groups and a senate committee, Columbia University now has formal guidelines for accepting research programs funded by outside agencies.

The rules cover only contracts made with the University; faculty and researchers acting as individual consultants are not affected. The new rulings prohibit the University from taking on "agreements for the support of instruction or research" that would:

- Require Columbia to handle classified information or process security clearances.

- Prevent persons from participating in research on grounds of race, politics, creed or sex--but not citizenship.

- Give an outside party veto or censorship powers over the results of the research.

Noting that these rules might not properly be applied to all research the senate also voted to establish a review board to rule on suggested exceptions. While the guidelines do not specify exceptions, they require that any exception be "promptly announced to the University community."

According to Warren Goodell, vice president for administration the University now has four research projects involving classified information:

WICN Radio, the educational Station in Worcester operates through the support of the people of the schools and the community. In order to help us continue and expand our operations, please send your tax deductible donations of the size you can afford to:

WICN Radio
W.P.I.
Worcester, Mass. 01609



Scene At New Haven Black Panther Rally

Baseball Team Drops Two

Beat by Tufts Tipped by Brandeis

Thursday was a day of errors as Worcester Tech lost to Tufts University, 3-1. The game was uneventful for the first 4 innings as it seemed the contest was to be decided by the pitchers. In the 5th, Tech scored once on a hit-and-run play with Rooney scoring from 1st on Vic Dennis' single. An error by the right fielder allowed Rooney to round third and score Tech's only run. Tufts got their big break in the bottom of the 7th with 1 out and the bases loaded. Worcester pitcher Bill Beloff was replaced to try to work the team out of a dangerous situation. An attempted pick-off play to 1st base backfired as an error on Tech's firstbaseman cost them two runs. A squeeze bunt for the 3rd run ended the scoring for both teams.

In the last inning W.P.I. had a rally started with bases loaded and two out, but Tufts pitcher ended the game neatly with a strikeout. Tech had only two hits--singles by Vic Dennis and George Moore. Pitchers Beloff and Katz gave Tufts' batsmen only three hits while striking out 6 and walking 6. There were no earned runs in the game.

TUFTS		TECH	
	ab r h bi		ab r h bi
Cyboron ss	3 1 0 0	Rooney 2b	4 1 0 0
Archib'le cf	3 1 0 0	Dennis rf	4 0 1 0
Barry 3b-c	3 0 1 1	Sankey 3b	4 0 0 0
Glach'li p	2 0 1 0	Johnson lf	2 0 0 0
Yockey 2b	2 0 0 0	Pelli c	4 0 0 0
Kryzes lf	2 0 0 0	Moore ss	3 0 1 0
Carco ph	1 0 0 0	Sund cf	2 0 0 0
Rossman lf	1 0 0 0	Rogers 1b	2 0 0 0
Luiselli 1b	4 0 0 0	Ferrasi ph	1 0 0 0
Somadelis rf	3 0 1 0	Beloff p	3 0 0 0
Trobridge c	1 0 0 0	Kate p	0 0 0 0
Ambersino pr	0 1 0 0	Seypol ph	1 0 0 0
Schwartz 3b	0 0 0 0		
Totals	25 3 3 1	Totals	30 1 2 0

Tech

000 010 000-1

Tufts

000 000 30X-3

E--Rooney 1, Sund 1, Rogers 1, Yockey 1, Somadelis 2, LOB--Tufts 8, Tech 11, 2B--Somadelis, SB--Somadelis, Rooney, S--Barry, Yockey.

IP H R ER BB SO

Glachetti (W)

7 2 1 0 8 12

Beloff (L)

7 1-3 2 3 0 4 4

Kate

12-3 1 0 0 0 2

HbP--By Glachetti by Beloff (1/4).

Balk--Kate 1, U--Bandini, Foley.

WP--Glachetti (2).

Brandeis scored two decisive tallies in the 11th inning to send W.P.I. to its 7th loss in 9 outings. It was also Tech's 6th loss in a row.

Perhaps Tech's fate was spelled out in the top of the first inning. Brandeis tallied twice in that frame, but more importantly, Bob Johnson, Tech's left fielder and cleanup hitter was injured when he collided with the left field fence while chasing a fly ball. Tech refused to play dead, though, and deadlocked matters at 2-2 in their half of the frame. Greg Sanky tripled home one run and Ed Schull, Johnson's replacement,

single home the other.

Both pitchers took control after the first inning with some fine clutch pitching. Tech pitcher Gary Smith gave up eight hits while fanning 12, but caused his own downfall in the 11th inning with a throwing error which led to one of the Brandeis runs.

Tech had many scoring opportunities during the game but could not cash in on them as many of their fine shots were hit directly at Brandeis fielders. Greg Sanky and Dave Sund shared hitting honors with two hits apiece, while both players were robbed of another hit.

BRANDEIS		TECH	
	ab r h bi		ab r h bi
Nelson 2b	4 0 1 1	Rooney 2b	4 1 0 0
O'Brien cf	5 1 2 0	Dennis rf	5 0 0 0
McGrath ss	4 1 0 1	Sankey 3b	3 1 2 1
Feely c	5 0 2 1	Johnson lf	0 0 0 0
Eislock 3b	4 0 0 0	Schrull lf	4 0 1 1
Gulstein 1b	5 0 0 0	Pelli c	5 0 0 0
Meyer lf	4 1 2 0	Moore ss	4 0 0 0
Segel rf	5 0 1 0	Sund cf	5 0 2 0
Lees p	3 1 0 0	Rogers 1b	4 0 0 0
		Szyptol ph	1 0 0 0
		Smith p	4 0 1 0
Totals	31 4 8 3	Totals	41 2 7 2

Brandeis

200 000 000 02-4

WPI

200 000 000 00-2

E--Feely, Eislerstock, Rogers.

D.P--Brandeis-1, LOB--Brandeis-10,

WPI-11, 2B--Nelson, Feely, 3B--O'Brien

Sankey, SB--Rooney, Schrull, Pelli, Sund,

Smith, Eislerstock, Meyer, S--McGrath,

Schrull.

IP H R ER BB SO

Lees

11 7 2 1 3 8

Smith (1-3)

11 8 4 2 4 12

HbP--By Lee (Moore), WP--Smith-2,

PB--Feely-3, U--Pappas, Petrillo.



Tim Rooney Helps Stop A Brandeis Rally

Freshmen Baseball Take Opener 8-6

The Tech freshman baseball team opened their season Wednesday with a n 8 to 6 victory over Assumption Prep. Mark Long started and got the win, giving up 4 hits.

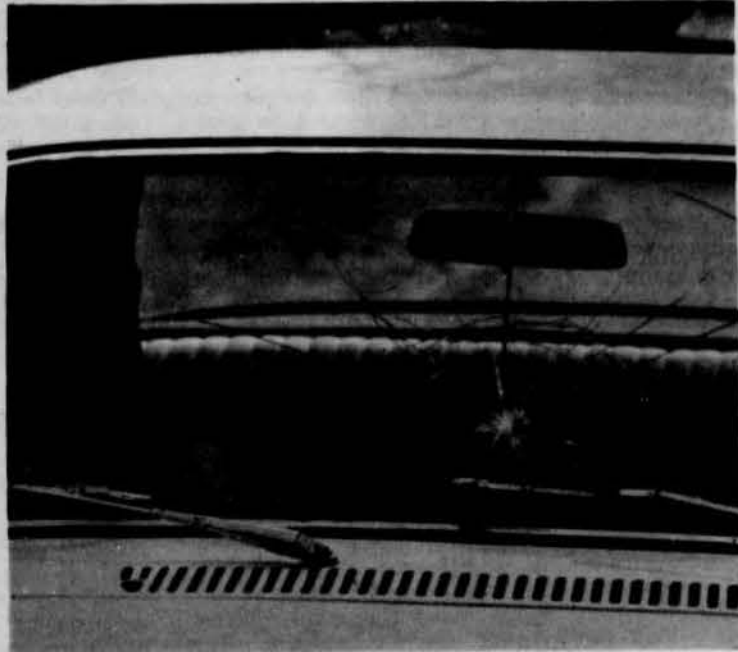
Struggling with his control the whole game, he yielded 10 walks while striking out 7. Shortstop Dick Lillipetti lead the attack as Tech batsmen amassed 10 hits. He contributed a single, double and a sacrifice fly, driving in 4 runs.

Also adding 2 hits each were third baseman, Steve Bubba, and

rightfield, John Kulig. Tech fell behind 2 to 0 in the first inning on 2 walks and a triple by Garthwaite. In the second inning Tech picked up 1 run and Dave Parmenter's single to right and lost another run on some poor base coaching. The third inning saw Tech take the lead for good by scoring 4 runs on hits by Jim Rissotti, Steve Bubba, and Dick Lillipetti. They scored 3 more runs later and put down a late inning Prep comeback to preserve their first victory against no losses.

UPCOMING SPORTS EVENTS...

- Tues. 5: VARSITY TENNIS, WPI vs. Clark. Away. 2:00 p.m.
- Wed. 6: FRESHMAN TRACK, WPI with Tufts. Away. 3:30 p.m.
- Varsity Track, WPI with Tufts. Away. 3:30 p.m.
- Thurs 7: VARSITY BASEBALL, WPI vs. Hartford. Home. 3:30 p.m.
- Fri. 8, 9: CREW CLUB, Dad Vail Regatta, Philadelphia.
- 8, 9, 10: VARSITY TENNIS, New England Tournament at Williams.
- 8, 9, 10: VARSITY GOLF, N.E.I.G.A. in Vermont
- Sat. 9: VARSITY TRACK, WPI with Assumption, Clark, Middlebury Home. 1:30 p.m.
- Varsity Baseball, WPI vs. Trinity. Away 2:00 p.m.
- Mon. 11: VARSITY TENNIS, WPI vs. A.I.C. Home 2:00 p.m.
- Varsity Baseball, WPI vs. Clark, Home 3:30 p.m.
- Tues. 12: VARSITY GOLF, WPI vs. Lowell, Coast Guard. Home 2:00 p.m.
- FRESHMAN TRACK, WPI vs. Trinity. Away. 3:30 p.m.
- Varsity Track, WPI vs. Trinity. Away. 3:30 p.m.



Brandeis Shatters Tech In 11th

WPI ROTC BAND AT CONVENTION

Several members of the ROTC Department Band Company attended the eighth annual National ROTC Band Association Convention at St. Peter's College in New Jersey. Those attending were Dave Rockwell, Roger Etherington, Tom Werb, Chris Johnson and Herb Detloff. The convention opened on Friday evening with the concert phase of the band competition and the NROTCBA Queen Competition. This year W.P.I. was fortunate to have its representative, Nora Blum, a freshman co-ed, as one of the three finalists.

Saturday afternoon, after a business meeting, the marching phase of the band competition took place and awards were presented. Newark College of Engineering received the first place band trophy while Miss Margaret Brown of Virginia State College was awarded the Queens trophy. The W.P.I. Band Company was presented with an award for Outstanding Contributions to the Association and another for Outstanding Academic Achievement during the school year. Each member of W.P.I. Band Company will be awarded a crest for their uniform to signify membership in the NROTCBA. Those who attended the convention were awarded the Convention Ribbon to be worn on their ROTC uniform.

It is hoped that if funds are available next year, the entire band will be able to participate in the convention and competition.

Band Company also provided the musical accompaniment for Final Review, held the morning of Tuesday, May 5. A picnic next weekend will culminate ROTC Band activities for the year.

Teams
can't win
on Quotes

C. C.

WANT TO LEARN TO FLY



Get away from the boring daily routine to which you have grown accustomed and join the Worcester Intercollegiate Flying Club.

New members will be admitted Friday, May 8, 7:30 p.m. at Dana Auditorium, Clark University. The following Saturday introductory

flights will be offered for a nominal fee. For more information, contact Loren Smith, 799-6033, or Martin Strong, 756-7424.

SOCIAL COMMITTEE MEETING
WEDNESDAY, MAY 6th
4:30 P.M. — Coffeehouse

Workers and ideas for next year are welcome.

REVIEW

THE PAGENT PLAYERS

I am beginning to think that I'm writing a column on Avant-Garde theatre. Last week I told the story of Abbie as Theatre, next week it is "Waiting For Godot". What about this week? If I assume you understand the meaning of street theatre, and the subtleties between it and street theatre, it will make it much easier; so I will.

Have you ever seen Dean Van De Visse stare in disbelief? Have you ever seen a student at Tech publicly, out loud, call Dean Clean the Bald One--and in the dean's presence, at that? If you haven't seen these Phenomenons, then you will be surprised to hear that they actually happened Thursday night at a little get-together with our in-residence-radicals (straights scattered all around) and the Pageant Players, a group of freaks who perform street theatre in the village in New York.

Freaks at Tech, you ask? Outa sight! Maybe the school doesn't know who to let in, and who to keep out of its sacred walls. At least Abbie was in the singular.

Ever seen a girl getting lipped on the breast by a guy with longer hair than hers? Ever seen Dean V's face when something like that happens?

Getting back to the theatre bit: ecology, sex, war, Chicago, Black Panthers, pigs (real and figurative), were just a few of the topics covered in various skits which, along with musical accompaniment, were meant as visual descriptions of these topics.

Dreams were acted out, dreams like Steve Udell's ego trip, and Fat Al as leader, laughter and subtle horror, feelings of beauty, truth, and frustration, all were poured out to a cautious but receptive audience. God knows, some actually understood. At least most came away with a renewed awareness. The players even passed out a bullshit college diploma, and I know a few people who think Tech is bullshit anyway.

The "Tech News" welcomes your letters.

All letters must be typed, double-spaced. Letters received by 4:00 p.m. Sunday will appear the following Tuesday.

..All letters must be signed. Names will be withheld on request.



Symphony Conductor

ence participation. Producer Randy Sablich hopes to have the performers playing to a full house on the one and only night.

The players will be seen around campus wearing their costumes during the week.

TAU BETA PHI EXTRAVAGANZA MAY 16

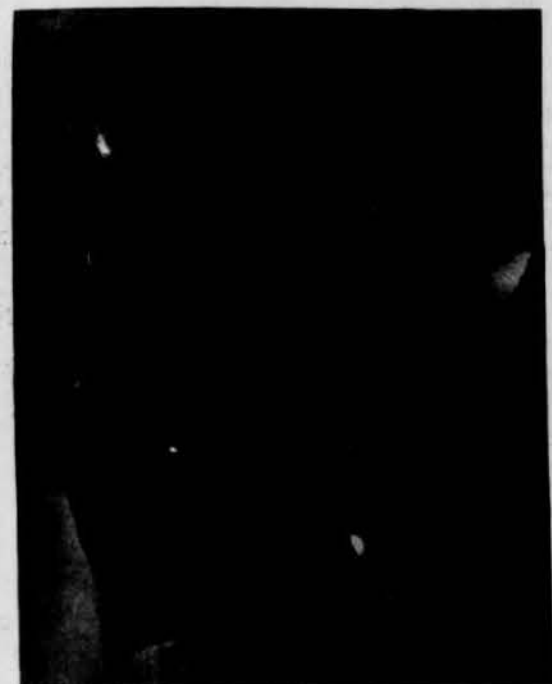
11 piece soul band

1:00 p.m. at the

NORTHBORO FISH & GAME

"Suds and soul flow freely"

See next week's Tech News for more details
also any member of Tau Beta



A Figurative Pig

Preview

WAITING FOR GODOT

On Friday, May 8, at 8:15 p.m. the Masque will present Samuel Beckett's (1969 Nobel Prize winner in literature) famous existential play, WAITING FOR GODOT. The tragic comedy centers around two characters, Vladimir and Estragon who continually wait for person named Godot.

During their periods of waiting they carry on their various activities as if they were terribly important matters, even though they may be mundane, and even crude.

As tragic comedy implies, the play is a combination of all thesis and antithesis that exist simultaneously making up existential man who vainly tries to understand his teleological situation on earth.

Beckett wrote GODOT in 1954 and it brought the Irish author overnight fame. But, this is not a play of the fifties or even the sixties of seventies. GODOT belongs to that time in the far distant future when man hopefully transcends the absurdities that govern his life. Only then can man understand this play by looking backwards and seeing what he once was.

Today we cannot completely understand GODOT - only become involved with it, and more importantly, within it. One must feel the perplexity of the characters, not purely observe it as member of the audience.

The two main characters, Estragon and Vladimir are portrayed by Lenny Redon and Ernie Wolshelm respectively. Two other characters who help provide some sanity for Estragon and Vladimir but insanity with respect to the rest of mankind are a dog-like being, Lucky and his cruel-benevolent master, Pozzo. The latter is played by Mark Richards and the former by Dave Hobill. Godot's young messenger boy who keeps the hope of death and survival alive in Estragon and Vladimir is performed by Tom Roddenberry.

Director Jack Magune has the players performing on stage and throughout the entire auditorium hopefully to provide more audi-



Coffeehouse

BEST YET

by Joe Kays,

In the short time that I've been writing reviews of the coffee house, I've discovered that the better the entertainment is, the harder it is to write the review. Well, this is going to be the hardest one yet, for the talent displayed at "Friday the 13th" Friday night was the best that I've seen thus far. To be perfectly honest, I enjoyed Friday evening's entertainment as much, if not more, than anything else I've seen on campus this year.

The program consisted of three male folk singers: Dick Macaruso, Phil Strickland, and Steve LaFointe; each doing his own thing. Though each had his own style of singing, you could say the same thing for all three of them: they had beautiful singing voices, they were very talented guitarists, and they had the personality that totally captivated the audience. John started off the evening on a somewhat serious note. His music, for the most part, was quiet, slow, and very relaxing. Phil Strickland's music was more on the lighter side. It was sort of country western in nature and also quite entertaining. Last on the program--and what a finale--was LaFointe. His selections bounced back and forth from Phil Ochs to Simon and Garfunkle with a little Donovan and the Beatles and one original composition thrown in. There isn't enough I can say about him. He was great. Until 1:00 a.m., he was great.

I doubt if anyone would disagree with me when I say that last Friday night was the best yet for the Coffee House. It's too bad more people don't take advantage of its facilities.

Cambodia Rally (cont. from pg. 1, col. 3)

possibility of calling off the 1972 presidential elections are declaring martial law if he decides that the situation at home gets too close to revolution. He went on to say that a revolution of some kind is imminent, whether it be a revolution in the country's ideology or a revolution in the country's structure.

The rally was attended by a crowd of about 400, although as many as half of them were people just out of work who were waiting for a bus. These present in front of city hall solely because of the demonstration were mainly students. Attendance could probably have been better had the rally not been formed on such short notice. Many people had signs calling for an immediate pullout of

troops. One sign call for Nixon's impeachment was carried by someone who was obviously unaware of the implications of making Agnew president. While the speeches were going on some of the rally organizers went through the crowd with petitions calling for immediate withdrawal from Indochina.

The rally broke up at 5 p.m., the expiration time on the assembly permit. Much of the crowd then marched down Main St. to Congressman Donahue's office to present him with the petitions and signatures. The entire procedure was free of any incident, except when I went back to my motorcycle and found I had been tagged for parking in a restricted zone.



Rally At City Hall

WISB ATTENDS D.C. FESTIVAL

The weekend of April 10-12, the Worcester Intercollegiate Symphonic Band traveled to Washington, D.C. to participate in the annual Cherry Blossom Festival. The 85 participants included students from WPI, Clark, Holy Cross and Anna Maria. The WISB is conducted by Professor Louis Curran of WPI and Mr. Ernest Reopell of Holy Cross.

Each senator is entitled to nominate a band from the college and high school divisions and two of the four nominated from each state are invited to attend the Cherry Blossom Festival. Senator Brooke backed the WISB.

The students in charge of organizing this trip were Dave Rockwell of WPI and Ted Burke of Holy Cross. Money for the WISB trip came from the participating schools' music organizations, other organizations at the schools and the Kiwanis Club of Worcester.

Besides band members, others who went on the trip included flag bearers from WPI, and Regis College and WPI cheerleaders, who

carried the WISB banner.

The WISB also plays concerts in the area. The final concert of the year will be a Pops Concert to be held in Holy Cross's Hogan Center on Tuesday, May 12 at 8 p.m. This concert will consist of popular music and show tunes from such shows as "Hair" and "2001".



WPI and Regis cheerleaders carry WISB banner in parade



Seen here are some of the WPI members of the WISB.

DON'T
LOOK
NOW
but here come de
Summer!
S.F.

WHAT'S UP

Tuesday, May 5

MECHANICAL ENGINEERING COLLOQUIUM. Mr. Jerry W. Moon, Manager, Value Engineering Ford Motor Company. Topic: "Controlling Costs or Profits Through a Comprehensive Value Engineering Program" Higgins Room 109. 4:30 p.m.

TCC MEETING. Archives Room, Gordon Library. 7:30 p.m.

*LAWRENCE HULL LECTURE SERIES. Dr. Hudson Hoagland. Topic: "Future Man: Quality and Quantity" Gordon Library, Seminar Room. 8:00 p.m.

FLICK FUN. held every week night at branches of Worcester Public Library.

"CELEBRATION: a musical comedy thru May 10, Fenwick Theatre Holy Cross College. For Reservations call: 793-2496.

MAYOR KEVIN A. WHITE: of Boston will speak at Holy Cross' Hogan Campus Center Ballroom at 8:00 p.m. The Young Democrats of Holy Cross will sponsor Mayor White. Open to public, free of charge.

Wednesday, May 6

WPI AND CLARK UNIVERSITY JOINT CHEMISTRY COLLOQUIUM. Professor M.J. Feinberg, Tufts Univ. Topic: "Physical Nature of Chemical Bonding" WPI Goddard 227. 4:15 p.m.

FINE ART SERIES. "Wheaton Trio", violin and piano, Atwood Hall Clark. 8:15 p.m.

Thursday May 7th

RE-ELECTION FOR STUDENT GOVERNMENT PRESIDENT. Daniels. 8:00-5:00 p.m.

GRYPHON skit, Atwood Hall, Clark Univ. 11:30 a.m.

*PHYSICS COLLOQUIUM. Dr. Herbert Matthews, Research Scientist, Sperry-Rand Research Laboratories in Sudbury. Topic: "Surface Elastic Waves" Gordon Library, Seminar Room. 4:15 p.m.

ASCENSION DAY MASS. Father Scanlon. Alden Memorial Auditorium. 5:00 p.m.

ENVIRONMENTAL SYSTEMS Study Program Information Exchange Meetings. Janet Earle Room. 4:15 p.m. - 7:30 p.m.

SPEAKER. Barry Patch, sensitivity training expert, Little Commons, Clark. 8:30 p.m.

Friday May 8th

*THE SPRING PRODUCTION OF THE MASQUE. "waiting for godot" Alden Memorial Auditorium 8:15 p.m.

Saturday, May 9th

INDIAN DINNER. Exotic foods of India. Little Commons of Clark-upstairs. 6:30 p.m. Sponsored by Indian students at Clark and W.P.I. and the India Society of Worcester. Tickets are \$2.50.

TECH CARNIVAL. Freshman-Sophomore skits. Alden Memorial Auditorium. 7:00 p.m.

FILM. "The Song & The Silence", sponsored by Hillel, Atwood Hall, Clark. 8:30 p.m. Public invited.

CONCERT. The Grateful Dead. Harrington Auditorium - WPI 8:30 p.m.

Sunday, May 10th

FRENCH FOREIGN FILM. "La Chinoise" Jean-Luc-Godard. Sponsored by Assembly Committee. Alden Memorial Auditorium. 7:30 p.m.

FRIDAY THE 13TH. Toby Bashaw, classical; Rich Hennessy, folk; and Sam and Charlie, folk. 8 p.m.

CLARK AERO-CLUB. 7 p.m. Geography Building, Clark Univ.

Monday, May 11

CONCERT. Contemporary concert with The Woodwind Quintet, Little Commons, 8:15 p.m.

Tuesday, May 12th

PRESIDENTS REVIEW. Alumni Field. 11:00 a.m.

*ELECTRICAL AND BIOMEDICAL ENGINEERING COLLOQUIUM. Dr. Jozef J. Zwislocki, Prof. of E.E. at Syracuse Univ., Research Prof. at Upstate Medical Center, and Director of the Laboratory at the Psycho-Acoustic Laboratory of Howard Univ. Topic: "Mathematical and Network Models of the Auditory System" Gordon Library, Seminar Room. 4:15 p.m.

POPS CONCERT Worcester Intercollegiate Symphonic Band Hogan Center. Holy Cross. 8 p.m.

DISCUSSION OF
PROPOSAL ON
FREE
SPEECH

TCC Meeting

7:30 Tues.

Archives Room

Gordon Library

Dr. Hoagland Speaks On Population Problem

Dr. Hudson Hoagland, president emeritus of the Worcester Foundation for Experimental Biology, Shrewsbury, will be the Laurence Hull Lecturer at 8 p.m. Tuesday (May 5) in Gordon Library, Worcester Polytechnic Institute.

Dr. Hoagland will speak on the population explosion. His subject is titled, "Future Man - Quality or Quantity."

An honorary degree recipient at WPI in 1966, Dr. Hoagland is a co-founder of the biology foundation and served for many years as its executive director.

The Hull lecture was established in 1966 to honor a 1964 WPI graduate who died from automobile accident injuries Dec. 30, 1965, in Western Massachusetts.

He was a Gardner resident who made an outstanding record as a math major at WPI and yet was active in numerous campus organizations that shaped the lives of many of his comrades.

He was president of his fraternity, Phi Kappa Theta; editor of Tech News, undergraduate weekly chairman of the Tech Senate Committee on Assemblies, which stimulated student thought; played on the varsity baseball team; and was a member of Skull, campus society which honors contribution to the advancement and betterment of the college.

Rick Tino Receives Mgt. Award

Richard V. Tino Jr. of South Easton, a junior in the Department of Management Engineering at Worcester Polytechnic Institute, has been awarded a \$725 scholarship by the American Management Association for the summer program, Operation Enterprise.

Operation Enterprise is from June 14 to July 3 at Hamilton, N. Y., where in-depth professional management skills are developed through participation in case studies, conceptual conferences, small group work projects and through interaction with practicing professional managers and other conference participants.

ENVIRONMENTAL SYSTEMS STUDY PROGRAM

(program sponsored by the grant from SLOAN FOUNDATION)

Information Exchange Meetings

Thursday, May 7, 1970

4:15 P.M. and 7:30 P.M.

Janet Earle Room

All interested students and faculty are invited

54th ANNUAL TECH CARNIVAL

7 P.M. SATURDAY, MAY 9, 1970

Freshman Farce, Sophomore Satire,

Faculty Fiasco.

Donation \$.50

See the carnival before the Concert.

Trophy awarded to the winning class skit.

Final Review Honors Dr. Hanson May 12

The Cadet Battalion will culminate its Leadership Laboratory activities by conducting a review on the football field Tuesday, May 12th, at 11 o'clock. This is to be the only review this year, and will be known as "The President's Review," as it offers Dr. Hazzard an opportunity to both formally observe the cadets and invite the public to do the same.

The cadets have invited Dr. William E. Hanson, Chairman of the Board of Trustees, to participate as "Reviewing Officer." Following tradition, the cadets will appoint him an "Honorary Cadet Colonel" in the WPI battalion. Colonel Hanson has distinguished himself during a long and varied career. He graduated from WPI with a BS in '32 and a MS in '34. In 1937 he was awarded a PhD at NYU. Dr. Hanson is an Administrative Fellow of the Mellon Institute and Senior Scientist of the Gulf Research and Development Company. He has held important positions with the American Chemical Society, the American Petroleum Institute, the Fifth World Petroleum Congress and the Geochemical Society. Dr. Hanson is a member of several professional societies and has been very active in community affairs. He became a term Trustee of WPI in 1960. Appointment as "Honorary Cadet Colonel" is the battalion's recognition of Dr. Hanson's achievements and his dedication to the students and faculty of this institute.

The review will also be used by both public and private agencies to recognize certain outstanding cadets for their contributions and accomplishments.

The Cadet Band, whose music is so vital to the affair, will be reinforced by several members of the student body who have volunteered their services and will don the uniform as a one shot affair.

Following the ceremony, President Hazzard will host an informal luncheon in the lounge of Morgan Hall for the guests who participate in the review.



Dr. William Hanson, Chairman of the Board of Trustees

Cosmopolitan Dinner Attended By Seventy

This year, Cosmopolitan Club's International Dinner was far more successful than it's been in years. Over seventy people attended the affair and many brought dishes from their countries. Even American students prepared foods related to their heritages.

Dean and Mrs. Price opened their home to the Club, as they have for the past eight years. The Faculty Wives' Club assisted the officers greatly in helping the dinner run smoothly. Everyone seemed to enjoy themselves and an astonishing amount of food, ranging from hot dogs and beans to fondue, curry and many other foreign dishes were consumed. Many people who had never come to a Cosmopolitan event before expressed interest and promised to attend the next meeting. After the dinner, the officers presented Mrs. Price with flowers to thank her and Dean Price for their cooperation.

The next meeting for the Cosmopolitan Club will be Friday evening, May 9 at 8 p.m. in the music room downstairs in Alden. Entertainment will be provided by a group of Turkish dancers, students from M.I.T. and other schools. They are directed by Muammer Arkan, a graduate student in the W.P.I. Civil Engineering Department. All are welcome to attend.



Guests sample some of the dishes at Cosmopolitan Club's International Dinner

Prof. Johnson Gives Paper In Chicago

Prof. Ray C Johnson, Higgins professor of mechanical engineering at Worcester Polytechnic Institute, will take part in the 1970 Design Engineering Conference sponsored by a division of the American Society of Mechanical Engineers, May 11 to 14 in the Palmer House, Chicago.

Prof. Johnson will present on May 14 a paper, Optimum Design by Synthesis, which is based on some material taken from his forthcoming book, "Mechanical Design Synthesis" which is scheduled for publication next January by Van Nostrand Reinhold Co. This new book will present some recent advancements in the field of optimum mechanical design as well as some recently developed techniques for stimulating creative action in the synthesis of configurations. Many industrial examples from his consultation experience in work of mechanical design synthesis will be presented in this new book.

The new book to an appreciable extent is an advancement of work presented in his first book, OPTIMUM DESIGN OF MECHANICAL ELEMENTS, which was published by John Wiley & Sons in 1961. Also, the new book covers an appreciably extended field in the activity of mechanical design synthesis, by including areas of creativity, shape design, and total systems considerations in optimum mechanical design.

"Son of Film Orgy"

FRIDAY, MAY 15th

Alden - 8 P.M.

Sponsored by the Assembly Committee

Dr Schaefer Speaks At Honors Assembly

Dr. Vincent J. Schaefer, professor of atmospheric sciences at the State University of New York at Albany, will speak at the Spring Honors Convocation of Worcester Polytechnic Institute at 4:15 p.m. Thursday, May 14, in Alden Auditorium. His subject will be, "Serendipity."

Guests will include the freshmen students who qualified for the Honor Roll in the first semester of this academic year and all other students who have been on the Honor Roll for the last two consecutive semesters.

Winners of prizes and awards, who in the past have been honored at the last official college assembly, will be recognized at this time, as well as several faculty members. Among the latter will be the Outstanding Teacher Award recipient, who will be announced the previous night.

The Peddler, college yearbook, dedication also will be announced.

Dr. Schaefer began his technical career in 1931 as a model maker in the instrument shop of the General Electric Laboratory. As a laboratory assistant, he began a long and close association with the renowned Dr. Irving Langmuir.

Dr. Schaefer became famous in his own right as he began to specialize in the atmospheric phenomena of snow crystals, fog, smoke, cloud seeding, radionstatic etc. He holds a number of patents and is a member of many professional societies and institutions of learning.



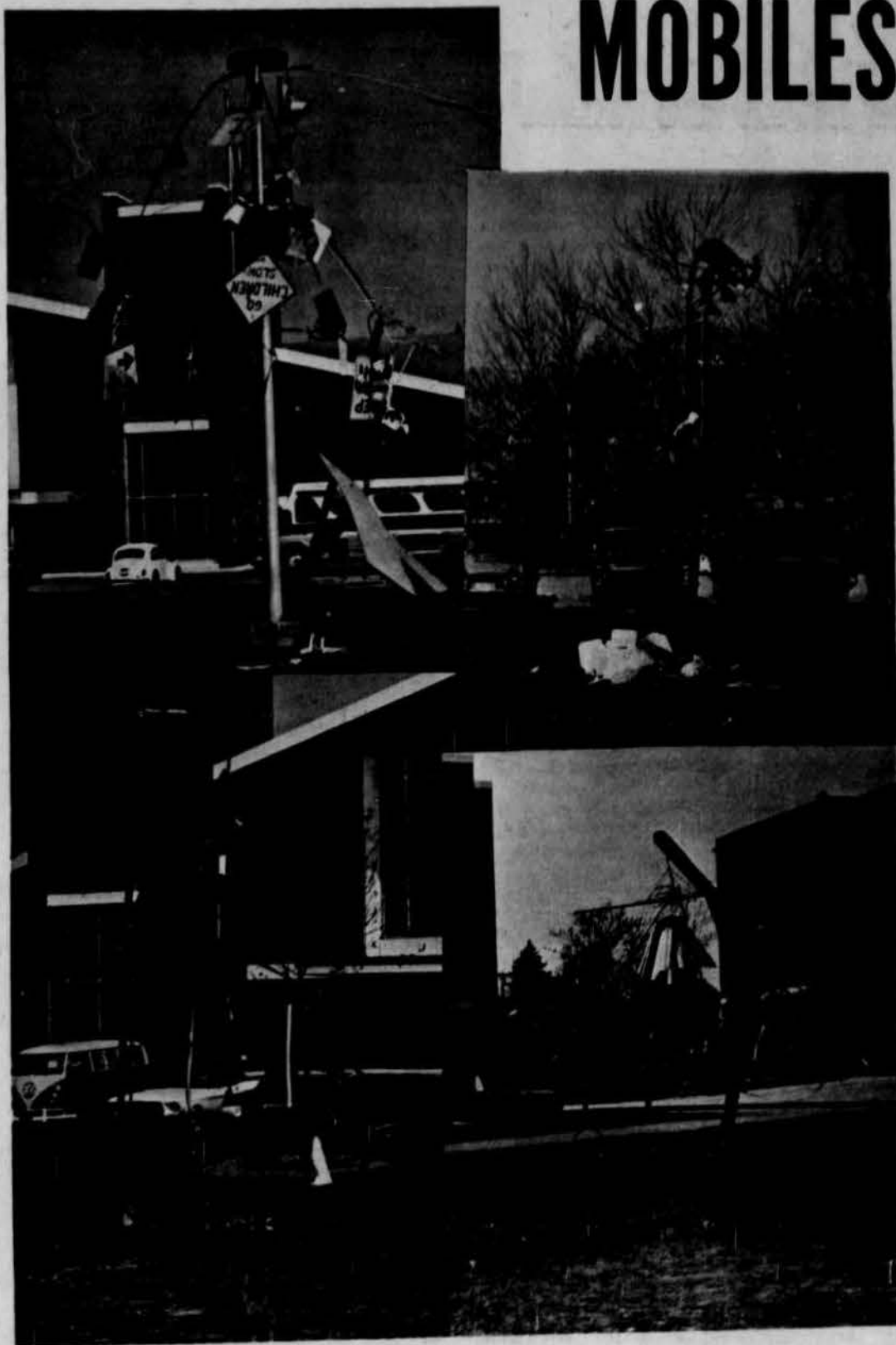
Dr. Vincent Schaefer, speaker at Spring Honors Assembly

Student Government Meeting

8:30 P.M. Tuesday, May 5

Seminar Room

MOBILES



And now introducing. . .

"FREEK WEEKEND"

(See also WHAT'S UP, Page 10)

FRIDAY NIGHT:

- * "waiting for godot", by Samuel Becket
in Alden, at 8:15 p.m.

Students \$1.00

Others \$1.50

SATURDAY AFTERNOON:

- * The Eastern Sprints, crew race
on Lake Quinsigamond

SATURDAY NIGHT:

- * Tech Carnival. Frosh and Soph class skits,
in Alden Memorial, at 7:00 p.m.
- * Concert. The Grateful Dead
at Harrington Auditorium, WPI, at 8:30 p.m.

STUDENTS \$2.00

OTHERS \$2.50

SUNDAY NIGHT:

- * Friday the Thirteenth presents
Toby Bashaw (classical), Rich Hennessy (folk),
and Sam and Charlie (folk), at 8:00 p.m.



The Grateful Dead Roll Over And Play Live. Tickets at: Bookstore, Body Shop, Moon, Genesis Music, Charlie Bean Music, and at the door.